	Application No.	Applicant(s)
Notice of Allowability	09/666,554	SATO, TOMONOBU
	Examiner	Art Unit
	William C. Vaughn, Jr.	2143

-- *The MAILING DATE of this communication appears on the cover sheet with the correspondence address*--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *15 June 2004*.

2. ☒ The allowed claim(s) is/are *14-17, 20-22, 24 and 25. Renumbered 1-10*.

3. ☒ The drawings filed on *21 September 2000* are accepted by the Examiner.

4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a) ☒ All   b) ☐ Some*   c) ☐ None of the:

        1. ☒ Certified copies of the priority documents have been received.

        2. ☐ Certified copies of the priority documents have been received in Application No. _____ .

        3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
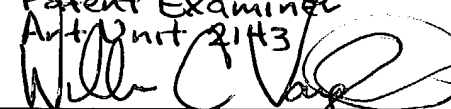
    * Certified copies not received: _____ .

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.

    (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached

        1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____ .

    (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of

    Paper No./Mail Date _____ .

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)

2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)

3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____

4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

5. ☐ Notice of Informal Patent Application (PTO-152)

6. ☒ Interview Summary (PTO-413), Paper No./Mail Date *080204* .

7. ☒ Examiner's Amendment/Comment

8. ☒ Examiner's Statement of Reasons for Allowance

9. ☐ Other _____ .

William C. Vaughn, Jr.
Patent Examiner
Art Unit 2143

DETAILED ACTION

EXAMINER'S AMENDMENT

1.   An examiner's amendment to the record appears below. Should the changes

and/or additions be unacceptable to applicant, an amendment may be filed as provided by

37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no

later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview

with Hung H, Bui, Reg. No. 40,415 on 04 August 2004.

IN THE CLAIMS

Please amend claims 14-17, 20, 22 and 25 as follows:

14. {CURRENTLY AMENDED} A process of transferring multimedia information in a

multimedia information transfer system which comprises a multimedia server, a client

server ~~system~~ coupled to said multimedia server for status management, said process

comprising the steps of:

storing and reproducing, at said multimedia server, data streams of multimedia

information;

dividing said multimedia information, at said multimedia server, into N data

blocks (where N is an integer no less than 2), and each of which N data blocks includes n

data units (where n is an integer no less than 1), sequentially transferring said multimedia

information into N data blocks to said client server ~~of said client server system~~ on a data

block basis, and sending a request to transfer said multimedia information divided into N

data blocks from said client server ~~system~~ to a proper field of said matrix table;

requesting, at said client server, said multimedia server to divide said multimedia information into N data blocks and to transfer N data blocks of said multimedia information to said client server; and

storing and registering, at said client server, the transferred data blocks f said multimedia information, and providing a visual display of said multimedia information concurrently with the storage and registration of said multimedia information,

wherein said multimedia information divided into N data blocks is transferred from said multimedia server to said client server of said client server system independently of the update of said transfer and receive status areas of said matrix table.

15. {CURRENTLY AMENDED} The process as claimed in claim 14, wherein said multimedia server, said client server and said one or more clients correspond to different nodes in said network having network addresses dedicated for communications.

16. {CURRENTLY AMENDED} The process as claimed in claim 14, wherein said matrix table is configured for managing a receiving status and a process request status of said client server system, and wherein said multimedia server sets a request for transferring multimedia information divided into N data blocks from said client server system to a proper field of said matrix table and transfers said multimedia information divided into N data blocks based on said received status.

17. {CURRENTLY AMENDED} The process as claimed in claim 14, wherein said matrix table includes a transfer status area which indicates whether the transfer of all N

data blocks of said multimedia information is complete, and a receive status area which

indicates the reception of said multimedia information, wherein said transfer and receive

status areas are updated each time transfer and reception operations are executed.

20. {CURRENTLY AMENDED} The process as claimed in claim 14, wherein said

multimedia information includes image information, and when said image information is

transferred from said multimedia server to ~~said client~~ one or more clients, said ~~client~~ one

or more clients operates to specify ~~the~~ an address for identifying said data blocks if said

image information stored and ~~the~~ a data address of a specific one of said data units for

reproducing said image information.

22. {CURRENTLY AMENDED} A process of transferring multimedia information

from a multimedia server to a client server ~~system~~ through a communication network,

comprising:

dividing said multimedia information into N data blocks (where N is an integer no

less than 2), each of which data block contains n data units (where n is an integer no less

than 1), in response to a request by said client server ~~system~~ that said multimedia server

transfer said multimedia information divided into N data blocks, each bock containing n

data units, to said client server ~~system~~;

transferring the requested data blocks of said multimedia information to said

client server ~~system~~ on a data block basis; and

providing a matrix table having a transfer status area which indicates if a transfer

operation of all N data blocks of said multimedia information is complete and a receive

status area which indicated if a receive operation of all N data blocks of said multimedia

information transferred from said client server ~~system~~ is complete, the transfer operation

of said multimedia information divided into N data blocks being executed based on ~~said~~

status information of said matrix table,

      wherein said multimedia information divided into N data blocks is transferred

from said multimedia server to said client server ~~of said client server system~~

independently of the update of said transfer and receive status areas of said matrix table.

25. {CURRENTLY AMENDED} The process as claimed in claim 22, wherein said

multimedia information includes image information, and when said image information is

transferred from said multimedia server to said client <u>server</u>, said client <u>server</u> operates to

specify ~~the~~ an address for identifying said data blocks of said image information stored

and the data address of a specific one of said data units for reproducing said image

information.

Reasons for Allowance

2.   The following is an examiner's reasons for allowance: Interpreted in view of the

specification, Applicant's invention shows novelty in the use of a process of transferring

multimedia information in a multimedia information transfer system which comprises a

multimedia server, a client server coupled to said multimedia server for status

management, said process comprising the steps of: storing and reproducing, at said

multimedia server, data streams of multimedia information; dividing said multimedia

information, at said multimedia server, into N data blocks (where N is an integer no less

than 2), and each of which N data blocks includes n data units (where n is an integer no less than 1), sequentially transferring said multimedia information into N data blocks to said client server on a data block basis, and sending a request to transfer said multimedia information divided into N data blocks from said client server to a proper field of said matrix table; requesting, at said client server, said multimedia server to divide said multimedia information into N data blocks and to transfer N data blocks of said multimedia information to said client server; and storing and registering, at said client server, the transferred data blocks f said multimedia information, and providing a visual display of said multimedia information concurrently with the storage and registration of said multimedia information, wherein said multimedia information divided into N data blocks is transferred from said multimedia server to said client server independently of the update of said transfer and receive status areas of said matrix table, as well as Applicant's enabling portions of the specification, page 19, lines 26-28, page 20, lines 1-7, page 21, lines 3-27 and page 22, lines 1-11. None of the prior art of record teaches or suggests the above limitation in combination with all the limitations of the independent claims.

3.   The dependent claims further limit the independent claims and are considered allowable on the same basis as the independent claims as well as for the further limitations set forth.

4.   Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

5.   **Claims 14-17, 19-22, 24 and 25** are allowable. Renumbered **claims 1-10.**
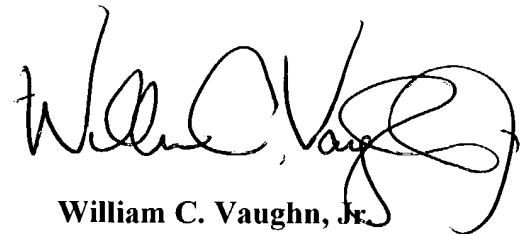
Terminal Disclaimer

6.   The terminal disclaimer filed on 15 June 2004 disclaiming the terminal portion of

any patent granted on this application, which would extend beyond the expiration date

has been reviewed and is accepted. The terminal disclaimer has been recorded.

Conclusion

7.   Any inquiry concerning this communication or earlier communications from the

examiner should be directed to William C. Vaughn, Jr. whose telephone number is (703)

306-9129. The examiner can normally be reached on 8:00-6:00, 1st and 2nd Friday Off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, David A Wiley can be reached on (703) 308-5221. The fax phone number for

the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR. Status

information for unpublished applications is available through Private PAIR only. For

more information about the PAIR system, see http://pair-direct.uspto.gov. Should you

have questions on access to the Private PAIR system, contact the Electronic Business

Center (EBC) at 866-217-9197 (toll-free).

William C. Vaughn, Jr.
Patent Examiner
Art Unit 2143
04 August 2004